Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Division

Name of Work: Augmentation of water supply throught borewell, network of pipeline and ground water recharge facilities in various layout of Harohalli,Nagenahalli, Kenchenhalli,Ananthapura,Doddabettahalli and Chikkabettahalli village limits in Ward No 02,03 of Yelahanka Division(PACKAGE NO-16)

Modified Schedule - B

Sl No	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction	Nos	27.00	3937.56	Rupees Three Thousand Nine Hundred Thirty Seven And Paise Fifty Six Only
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars, cap etc.,) 0 to 50 m	m	1350.00	362.62	Rupees Three Hundred Sixty Two And Paise Sixty Two Only
3	50 to 100 m	m	1350.00	461.89	Rupees Four Hundred Sixty One And Paise Eighty Nine Only
4	100-150.00m	m	1500.00	476.52	Rupees Four Hundred Seventy Six And Paise Fifty Two Only
5	150-200.0m	m	1500.00	560.12	Rupees Five Hundred Sixty And Paise Twelve Only
6	200 to 250 m	m	1500.00	662.53	Rupees Six Hundred Sixty Two And Paise Fifty Three Only

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Sl No	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
7	250 to 300 m	m	1500.00	731.50	Rupees Seven Hundred Thirty One And Paise Fifty Only
8	300 to 350 m	m	959.00	862.13	Rupees Eight Hundred Sixty Two And Paise Thirteen Only
9	Re Drilling of Borewells	m	300.00	326.04	Rupees Three Hundred Twenty Six And Paise Four Only
10	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes)	m	1648.00	1384.63	Rupees One Thousand Three Hundred Eighty Four And Paise Sixty Three Only
11	Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 50mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM and testing complete as per specifications.	Each	8385.00	429.79	Rupees Four Hundred Twenty Nine And Paise Seventy Nine Only
12	Providing 250mm dia PVC Pipe	Rmtr	156.00	1413.89	Rupees One Thousand Four Hundred Thirteen And Paise Eighty Nine Only
13	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990.	Mtr	17627.00	214.23	Rupees Two Hundred Fourteen And Paise Twenty Three Only
14	Texmo, Atalanta, Suguna, CRI KIRLOSKER AND other equipment pumps 15.00 HP/11KW(30 Stage	Nos	28.00	66355.41	Rupees Sixty Six Thousand Three Hundred Fifty Five And Paise Forty One Only

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Sl No	Description of Item	Unit	Quantity	Rate, Rs In Figures	In Words
15	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia	Nos	29.00	3134.69	Rupees Three Thousand One Hundred Thirty Four And Paise Sixty Nine Only
16	Supplying and Fixing 20"x20"x2.5"polished wood board made up not less than 15mm thick plank with front plank one end providing for olding at other end fixing the same to the valve using tapered bolts and nuts,	Each	29.00	305.14	Rupees Three Hundred Five And Paise Fourteen Only
17	Supplying of 1.1 KV LT UG cable having aluminium condutor PVC insulated shethed, EXTREDED INNER SHEATHRD galvnised steel,stirp (2CX 10Sqm.mm wire armoured) confirming IS 3975;1990(no.of strip indicated i GTP) AND extruded PVC outer sheathing armoured cable IS 1554 part 1;1998 and confirming to GTP of group.A.4 Core 16Sqmm.P No.40/ I No.6.4.4 (4 core 16 Sqmm)	m	847.00	156.75	Rupees One Hundred Fifty Six And Paise Seventy Five Only
18	Labour charges for laying of 1.1 K.V class UG cable, in existing trench GI Pipe / stoneware pipe /on wall/on poles as required In existing trencg/duct 6 Sqmm to 16 Sqmm)	Mtr	847.00	12.41	Rupees Twelve And Paise Forty One Only
19	Supplying & fixing of Porcelain fuse channel with cut out onexisting wooden/panel using necessary nuts, bolts andwashers. 63 A (P No. 10 No.5.6.6,Part-I Electrical SR 2021-22)	Each	29.00	237.22	Rupees Two Hundred Thirty Seven And Paise Twenty Two Only
20	Providing and fixing in position 50mm nominal bore non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications	Nos	29.00	1405.67	Rupees One Thousand Four Hundred Five And Paise Sixty Seven Only
21	Supplying and fixing maniature circuit breakers on existing MCB Distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, Energy cross -3 with short circuit breaking capacity of 10K And Completed wiring confirming to IEC 60898 50-63 Amps TPN	Each	29.00	2504.87	Rupees Two Thousand Five Hundred Four And Paise Eighty Seven Only

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Sl No	Description of Item	Unit	Quantity	Rate, Rs In Figures	In Words
22	KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications.	Cum	8038.31	331.20	Rupees Three Hundred Thirty One And Paise Twenty Only
	Above 125%	Cum	622.98	331.20	Rupees Three Hundred Thirty One And Paise Twenty Only
23	Providing and filling sand in foundation to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications.	Cum	1217.93	2281.86	Rupees Two Thousand Two Hundred Eighty One And Paise Eighty Six Only
24	Supplying PVC ring tight pipes conformin to IS 4980 :2000 With latest amendments and conveying to work site rolling and lowering into trenches laying true line level and prefect linking at joints testing and commissoning incuding loading and un loading at both destinations and cuts of pipes wherever neccessary including joints of PVC pipes and specificals (excluding cost of pipes)with jointing of approvel type with all labour with all lead and lift incuding encasing the pipe alround to adepth of not less then 15cms with soft gravel or selected earth availble from the excavation etc.., completed and giving necessary hydralic test to the required pressure as per IS (Contractor will make his own arrangement for procuring water for testing)63mm outer dia, 6kg/sqcm & class 5	m	13529.00	127.49	Rupees One Hundred Twenty Seven And Paise Forty Nine Only
25	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. includingcost of all labour complete as per specifications	Cum	5075.63	134.03	Rupees One Hundred Thirty Four And Paise Three Only
	Above 125%	Cum	483.14	134.03	Rupees One Hundred Thirty Four And Paise Three Only

Sl No	Description of Item	Unit	Quantity	Rate, Rs In Figures	In Words
26	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.	Cum	1166.88	2084.69	Rupees Two Thousand Eighty Four And Paise Sixty Nine Only
27	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications	Cum	1524.11	2091.34	Rupees Two Thousand Ninety One And Paise Thirty Four Only
28	KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5. with OPC at 150 kg/cum and Coarse agrregate 0.86cum, Fine aggregate 0.58cum using Concrete batch Mix Plant at 75 Cum/hr capacity with fixed form Paver	Cum	443.02	4404.29	Rupees Four Thousand Four Hundred Four And Paise Twenty Nine Only

Sl No	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
29	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation	Cum	443.02	6272.42	Rupees Six Thousand Two Hundred Seventy Two And Paise Forty Two Only
30	Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts 3 phase and wired after fixing to the existing wooden board for motor.Above 12.5 HP upto 25 HP	Nos	26.00	8360.00	Rupees Eight Thousand Three Hundred Sixty Only
31	Providing and laying reinforced cement concrete pipe NP2 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of materials, labour, HOM complete as per specifications, curing complete as per specifications.	m	0.00	6245.21	Rupees Six Thousand Two Hundred Forty Five And Paise Twenty One Only
32	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications. a) 40mm Jelly	Cum	19.96	1986.55	Rupees One Thousand Nine Hundred Eighty Six And Paise Fifty Five Only
	Above 125%	Cum	13.00	1986.55	Rupees One Thousand Nine Hundred Eighty Six And Paise Fifty Five Only
33	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications. b) 20mm Jelly	Cum	19.96	1986.55	Rupees One Thousand Nine Hundred Eighty Six And Paise Fifty Five Only

Sl No	Description of Item	Unit	Quantity	Rate, Rs In Figures	In Words
	Above 125%	Cum	13.00	1986.55	Rupees One Thousand Nine Hundred Eighty Six And Paise Fifty Five Only
34	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications. c) Coarse Sand	Cum	19.96	2770.30	Rupees Two Thousand Seven Hundred Seventy And Paise Thirty Only
	Above 125%	Cum	13.00	2770.30	Rupees Two Thousand Seven Hundred Seventy And Paise Thirty Only
35	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications. d) Fine Sand	Cum	19.96	2770.30	Rupees Two Thousand Seven Hundred Seventy And Paise Thirty Only
	Above 125%	Cum	13.00	2770.30	Rupees Two Thousand Seven Hundred Seventy And Paise Thirty Only
36	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications. e) 12.5mm chips	Cum	19.96	1986.55	Rupees One Thousand Nine Hundred Eighty Six And Paise Fifty Five Only
	Above 125%	Cum	13.00	1986.55	Rupees One Thousand Nine Hundred Eighty Six And Paise Fifty Five Only
	EIRL				
E1	Providing and laying reinforced cement concrete pipe NP2 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of materials, labour, HOM complete as per specifications, curing complete as per specifications. 900mm dia	m	257.50	3747.35	Rupees Three Thousand Seven Hundred Forty Seven And Paise Thirty Five Only
E2	Texmo, Atalanta, Suguna, CRI KIRLOSKER AND other equipment pumps 7.5HP/5.5KW	Unit	1.00	35890.53	Rupees Thirty Five Thousand Eight Hundred Ninety And Paise Fifty Two Only

Sl No	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
E3	KSRB13-9 : Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure of outside diameter raising mains & exposed distribution pipes with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. 40mm dia	m	271.00	290.22	Rupees Two Hundred Ninety And Paise Twenty Two Only

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